

## Journal articles

Djalalova I.V., J. Olson, J. Carley, L. Bianco, J.M. Wilczak, Y. Pichugina, R. Banta, M. Marquis, and J. Cline (2016), **POWER experiment Impact of Assimilation of a Network of Coastal Wind Profiling Radars on Simulating Offshore Winds in and Above the Wind Turbine Layer..** *Weather and Forecasting*, , doi: [10.1175/WAF-D-15-0104.1](https://doi.org/10.1175/WAF-D-15-0104.1)

Bianco L., I.V. Djalalova, J.M. Wilczak, J. Cline, S. Calvert, E. Konopleva-Akish, C. Finley, J. Freedman, M. Ahlstrom, J. Manobianco, J. Zack, J.R. Carley, S. Benjamin, R. Coulter, L.K. Berg, J. Mirocha, K. Clawson, E. Natenberg and M. Marquis (2015), **A Ramp Tool and Metric to Measure the Skill of Numerical Weather Prediction Models at Forecasting Wind Ramp Events..** *Weather and Forecasting*, , doi: [10.1175/WAF-D-15-0144.1](https://doi.org/10.1175/WAF-D-15-0144.1)

Wilczak, J, C Finley, J Freedman, J Cline, L Bianco, J Olson, I Djalalova, L Sheridan, M Ahlstrom, J. Manobianco, J Zack, JR Carley, S Benjamin, R Coulter, LK Berg, J Mirocha, K Clawson, E Natenberg and M Marquis (2015), **THE WIND FORECAST IMPROVEMENT PROJECT (WFIP) A Public-Private Partnership Addressing Wind Energy Forecast Needs..** *Bull. Amer. Meteorol. Soc.*, 96 (10) 1699-1718, issn: 0003-0007, ids: CU8AW, doi: [10.1175/BAMS-D-14-00107.1](https://doi.org/10.1175/BAMS-D-14-00107.1)

Djalalova, I, L Delle Monache and J Wilczak, 2015: **PM2.5 analog forecast and Kalman filter post-processing for the Community Multiscale Air Quality (CMAQ) model (vol 108, pg 76, 2015).** *Atmos. Environ.*, PERGAMON-ELSEVIER SCIENCE LTD: Vol. 119, 430-430, issn: 1352-2310, ids: CT8PJ, doi: [10.1016/j.atmosenv.2015.05.058](https://doi.org/10.1016/j.atmosenv.2015.05.058), OCT 2015

Bianco, L, IV Djalalova, CW King and JM Wilczak (2011), **Diurnal Evolution and Annual Variability of Boundary-Layer Height and Its Correlation to Other Meteorological Variables in California's Central Valley.** *Bound.-Layer Meteor.*, 140 (3) 491-511, issn: Jun-14, ids: 807TW, doi: [10.1007/s10546-011-9622-4](https://doi.org/10.1007/s10546-011-9622-4)

Djalalova, I, J Wilczak, S McKeen, G Grell, S Peckham, M Pagowski, L DelleMonache, J McQueen, Y Tang, P Lee, J McHenry, W Gong, V Bouchet and R Mathur (2010), **Ensemble and bias-correction techniques for air quality model forecasts of surface O<sub>3</sub> and PM2.5 during the TEXAQS-II experiment of 2006.** *Atmos. Environ.*, 44 (4) 455-467, issn: 1352-2310, ids: 556TD, doi: [10.1016/j.atmosenv.2009.11.007](https://doi.org/10.1016/j.atmosenv.2009.11.007)

Michelson, SA, IV Djalalova and JW Bao (2010), **Evaluation of the Summertime Low-Level Winds Simulated by MM5 in the Central Valley of California.** *J. Appl. Meteor. Climatol.*, 49 (11) 2230-2245, issn: 1558-8424, ids: 675NT, doi: [10.1175/2010JAMC2295.1](https://doi.org/10.1175/2010JAMC2295.1)

McKeen, S, G Grell, S Peckham, J Wilczak, I Djalalova, EY Hsie, G Frost, J Peischl, J Schwarz, R Spackman, J Holloway, J de Gouw, C Warneke, W Gong, V Bouchet, S Gaudreault, J Racine, J McHenry, J McQueen, P Lee, Y Tang, GR Carmichael and R Mathur (2009), **An evaluation of real-time air quality forecasts and their urban emissions over eastern Texas during the summer of 2006 Second Texas Air Quality Study field study.** *J. Geophys. Res. Atmos.*, 114 , issn: 2169-897X, ids: 460KS, doi: [10.1029/2008JD011697](https://doi.org/10.1029/2008JD011697)

Wilczak, JM, I Djalalova, S McKeen, L Bianco, JW Bao, G Grell, S Peckham, R Mathur, J McQueen and P Lee (2009), **Analysis of regional meteorology and surface ozone during the TexAQS II field program and an evaluation of the NMM-CMAQ and WRF-Chem air quality models.** *J. Geophys. Res. Atmos.*, 114 , issn: 2169-897X, ids: 479AT, doi: [10.1029/2008JD011675](https://doi.org/10.1029/2008JD011675)

Bao, JW, SA Michelson, POG Persson, IV Djalalova and JM Wilczak (2008), **Observed and WRF-simulated low-level winds in a high-ozone episode during the Central California Ozone Study.** *J. Appl. Meteor. Climatol.*, 47 (9) 2372-2394, issn: 1558-8424, ids: 349XU, [doi: 10.1175/2008JAMC1822.1](https://doi.org/10.1175/2008JAMC1822.1)

Matrosov, SY, MD Shupe and IV Djalalova (2008), **Snowfall retrievals using millimeter-wavelength cloud radars.** *J. Appl. Meteor. Climatol.*, 47 (3) 769-777, issn: 1558-8424, ids: 286RH, [doi: 10.1175/2007JAMC1768.1](https://doi.org/10.1175/2007JAMC1768.1)

McKeen, S, SH Chung, J Wilczak, G Grell, I Djalalova, S Peckham, W Gong, V Bouchet, R Moffet, Y Tang, GR Carmichael, R Mathur and S Yu (2007), **Evaluation of several PM2.5 forecast models using data collected during the ICARTT/NEAQS 2004 field study.** *J. Geophys. Res. Atmos.*, 112 (D10) , issn: 2169-897X, ids: 150AM, [doi: 10.1029/2006JD007608](https://doi.org/10.1029/2006JD007608)

Stensrud, DJ, N Yussouf, ME Baldwin, JT McQueen, J Du, BB Zhou, B Ferrier, G Manikin, FM Ralph, JM Wilczak, AB White, I Djalalova, JW Bao, RJ Zamora, SG Benjamin, PA Miller, TL Smith, T Smirnova and MF Barth (2006), **The New England high-resolution temperature program.** *Bull. Amer. Meteor. Soc.*, 87 (4) 491-+, issn: 0003-0007, ids: 036CT, [doi: 10.1175/BAMS-87-4-491](https://doi.org/10.1175/BAMS-87-4-491)

White, AB, CJ Senff, AN Keane, LS Darby, IV Djalalova, DC Ruffieux, DE White, BJ Williams and AH Goldstein (2006), **A wind profiler trajectory tool for air quality transport applications.** *J. Geophys. Res. Atmos.*, 111 (D23) , issn: 2169-897X, ids: 118LB, [doi: 10.1029/2006JD007475](https://doi.org/10.1029/2006JD007475)

Wilczak, J, S McKeen, I Djalalova, G Grell, S Peckham, W Gong, V Bouchet, R Moffet, J McHenry, J McQueen, P Lee, Y Tang and GR Carmichael (2006), **Bias-corrected ensemble and probabilistic forecasts of surface ozone over eastern North America during the summer of 2004.** *J. Geophys. Res. Atmos.*, 111 (D23) , issn: 2169-897X, ids: 118LD, [doi: 10.1029/2006JD007598](https://doi.org/10.1029/2006JD007598)

Matrosov, SY, RF Reinking and IV Djalalova (2005), **Inferring fall attitudes of pristine dendritic crystals from polarimetric radar data.** *J. Atmos. Sci.*, 62 (1) 241-250, issn: 0022-4928, ids: 895CN, [doi: 10.1175/JAS-3356.1](https://doi.org/10.1175/JAS-3356.1)

McKeen, S, J Wilczak, G Grell, I Djalalova, S Peckham, EY Hsie, W Gong, V Bouchet, S Menard, R Moffet, J McHenry, J McQueen, Y Tang, GR Carmichael, M Pagowski, A Chan, T Dye, G Frost, P Lee and R Mathur (2005), **Assessment of an ensemble of seven real-time ozone forecasts over eastern North America during the summer of 2004.** *J. Geophys. Res. Atmos.*, 110 (D21) , issn: 2169-897X, ids: 985DA, [doi: 10.1029/2005JD005858](https://doi.org/10.1029/2005JD005858)

## Technical reports

Marquis, Benjamin, Olson, James, Banta, Pichugina, Wilczak, Djalalova, Bianco, Carley (2014), **Position of Offshore Wind Energy Resources (POWER).** *POWER Final Report*, , pp. 68

Wilczak, J., L. Bianco, J. Olson, I. Djalalova, J. Carley, S. Benjamin, and M. Marquis (2014), The Wind Forecast Improvement Project (WFIP): A public/private partnership for improving short term wind energy forecasts and quantifying the benefits of utility operations. NOAA Final Technical Report to DOE, DE-EE0003080 , pp. 162

Bao J.-W., E. D. Grell, I.V.Djalalova, G. Grell, S. Michelson (2010), **Technical Report. The Final Report of the TCEQ Coupled WRF-Chemistry Simulation Project: 3-Dimensional versus 1-D Subgrid Mixing,**